

## **ATTENTION:**

OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DEVICES

### **Removal/Installation of Monitor - FORCE Radion Countertop/Fun Zone JR.**

#### **Monitor Removal**

1. Turn off and unplug the game.
2. Unlock and open/remove the side doors and the rear door.
3. Remove the screw securing the strain relief cord to the rear door, then remove the monitor control board from the velcro on the rear door.
4. Remove the screws holding the rear bezel to the game and remove the bezel. Five screws fasten the top edge of the bezel and 2 on each side fasten the bottom. See Figure 1.
5. Remove the 4 screws holding the front bezel to the game and remove the bezel. Two screws fasten the top of the bezel and 1 screw on each side fastens the bottom. See Figures 1 and 2.
6. Disconnect all connections to the motherboard, as well as the touchscreen and centronics power connectors from the power supply harness.
7. Unscrew the 2 thumbscrews securing the motherboard mounting tray to the game and remove the motherboard and mounting tray. NOTE: Be sure to read the Motherboard Handling Precautions before handling the board.
8. Locate the hard drive and remove the 2 screws securing the hard drive mounting bracket to the game (see Figure 3), then remove the hard drive assembly until you're able to disconnect the hard drive power connector.
9. Unscrew the thumbscrew securing the fan assembly, disconnect the 2-pin fan power connector, and remove the fan assembly from the game. See Figure 3.
10. Unscrew the 2 thumbscrews securing the touchscreen controller mounting plate and remove the touchscreen controller assembly. After removing the two thumbnuts securing the touchscreen controller to the mounting plate, disconnect the cable from the back of the controller and disconnect the Molex connector connecting the orange and gray wires (from the touchscreen controller cable) to the main power harness.
11. Remove the 2 cable clamps fastening the power harnesses to the game.
12. Disconnect the power supply line cord, then unscrew the thumbnut securing the power supply to the game. After disconnecting the second fan power connector and the power supply connector from the I/O board, remove the power supply from the game. NOTE: Be sure to note the orientation of the wiring when disconnecting the fan power connector.
13. Pull out the coin rejector (see Figure 4) and remove the single fan assembly (attached to the game chassis with 1 thumbnut).
14. Remove the coin rejector chute (secured with 4 nuts and washers) and the coin chute (secured with 2 nuts). See Figure 4. NOTE: You may need to move the speaker assembly aside to access the nuts securing the coin chute.
15. Remove the 2 screws fastening the optical coin sensor (see Figure 4) to the game.
16. Remove the 2 nuts fastening the monitor assembly to the metalwork inside the game. You will also need to remove the cable clamp secured by one of the nuts.
17. Remove the nut and screw securing the strain relief cord to the inside of the game.

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18. Remove the 2 screws fastening the coin harness connector (see Figure 4) to the monitor assembly.
19. Disconnect the line cord from the monitor assembly, then disconnect the ground wire and monitor signal cable from the mounting standoff on the game chassis.
20. Remove the 3 screws fastening each side of the monitor assembly to the game chassis (one screw will also be securing a cable clamp and another will be securing the angled bracket on the edge of the monitor chassis board). Then carefully remove the monitor assembly from the game.

### **Monitor Installation**

1. Replace the monitor assembly in the game and fasten it to the chassis with the 3 screws (also fasten the cable clamp and angled bracket with the appropriate screw).
2. Replace the ground wire and monitor signal cable on the mounting standoff on the game chassis, then connect the line cord to the monitor assembly.
3. Fasten the coin harness connector to the monitor assembly with the 2 screws (see Figure 4).
4. Fasten the strain relief cord to the inside of the game with the nut and screw.
5. Fasten the monitor assembly to the metalwork inside the game with the 2 nuts. One of the nuts will also secure the cable clamp.
6. Fasten the optical coin sensor (see Figure 4) to the game with the 2 screws.
7. Replace the coin rejector chute and secure it with the 4 nuts and washers, then secure the coin chute with the 2 nuts. See Figure 4. Also replace the speaker assembly if you moved it in order to access the nuts securing the coin chute.
8. Replace the single fan assembly and fasten it to the game chassis with the thumbnut, then replace the coin rejector (see Figure 4).
9. Replace the power supply in the game and secure it with the thumbnut, then reconnect the power supply line cord. Also reconnect the power supply connector and fan power connector to the I/O board.
10. Replace the 2 cable clamps and refasten the power harness to the game.
11. Connect the touchscreen cable in the back of the touchscreen controller and also reconnect the touchscreen power connector to the main power harness. After securing the controller on the mounting plate with the 2 thumbnuts, replace the touchscreen controller assembly in the game and fasten the mounting plate with the 2 thumbscrews.
12. Replace the fan assembly in the game and reconnect the fan power connector, then tighten the thumbscrew securing the fan assembly. See Figure 3.
13. Reconnect the hard drive power connector to the hard drive, then replace the hard drive in the game and secure it with the 2 screws (see Figure 3).
14. Replace the motherboard and mounting tray in the game and secure the tray with the 2 thumbscrews.

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15. Reconnect the touchscreen and centronics power connectors to the power supply harness, then reconnect all connections to the motherboard.
16. Replace the front bezel and fasten it to the game with the 4 screws. Two screws will fasten the top of the bezel and 1 screw on each side will fasten the bottom. See Figures 1 and 2.
17. Replace the rear bezel and fasten it to the game with the 7 screws. Five screws will fasten the top edge of the bezel and 2 on each side will fasten the bottom. See Figure 1.
18. Replace the monitor control board on the velcro on the rear door, then replace the screw securing the strain relief cord to the rear door.
19. Close/replace and lock the rear door and the side doors.
20. Plug in and turn on the game.
21. Calibrate the touchscreen.

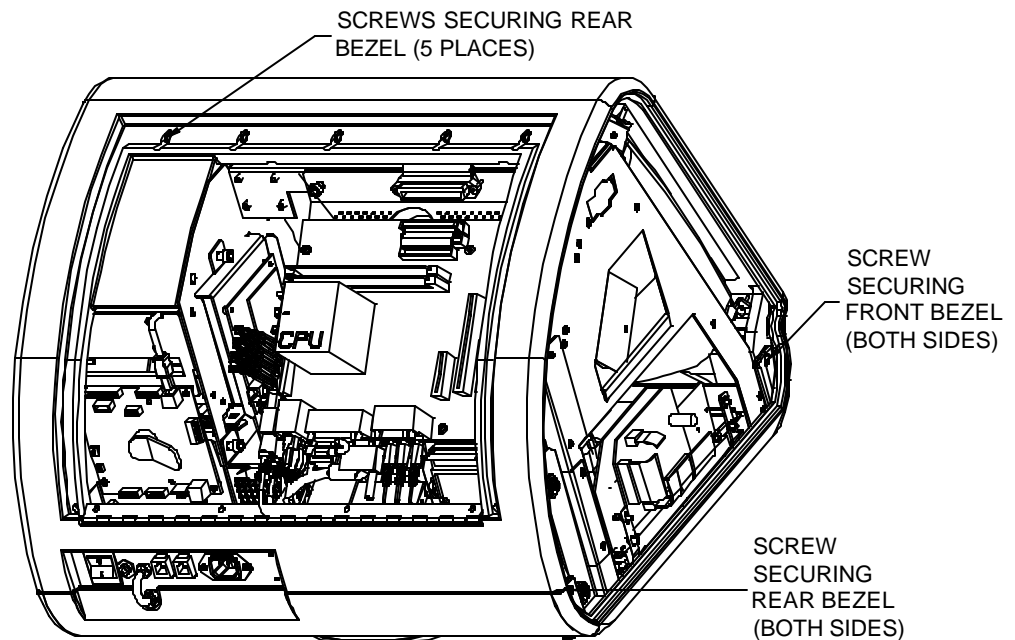


FIGURE 1 - MONITOR REMOVAL

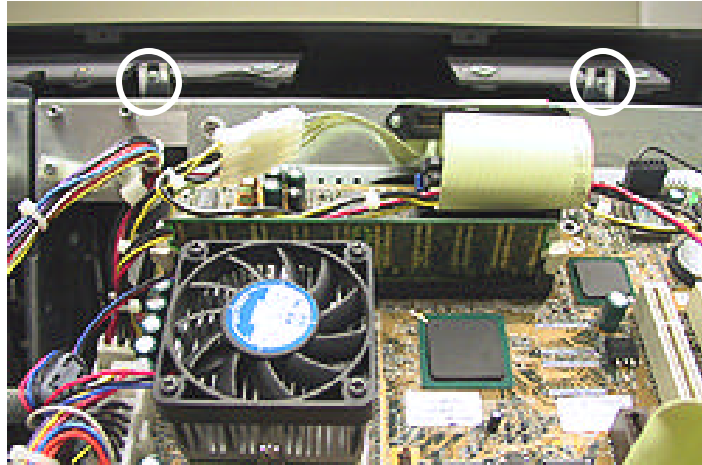


FIGURE 2 - MONITOR REMOVAL -  
SCREWS SECURING FRONT BEZEL

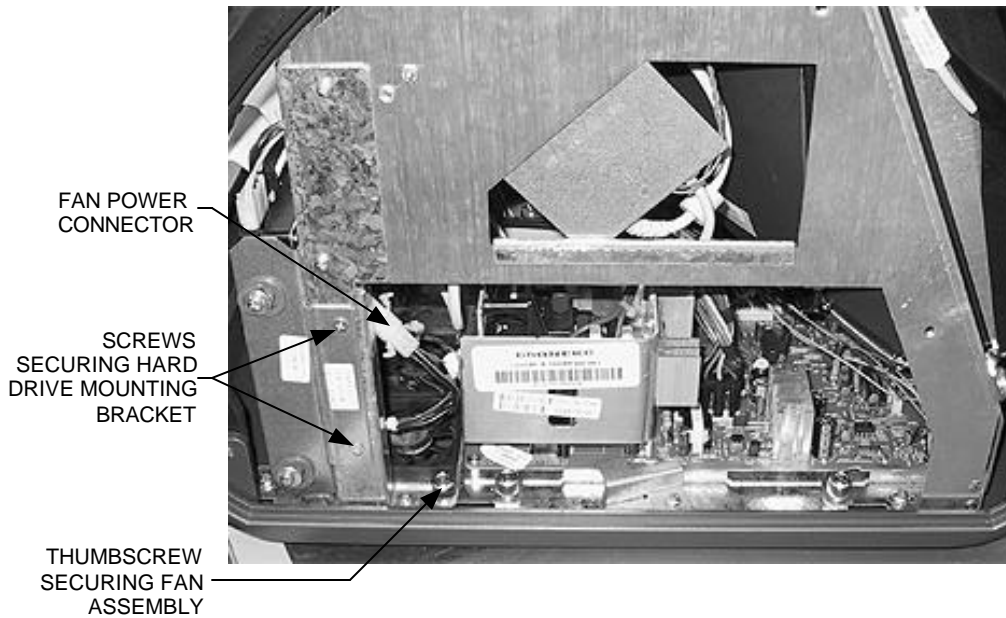


FIGURE 3 - MONITOR REMOVAL

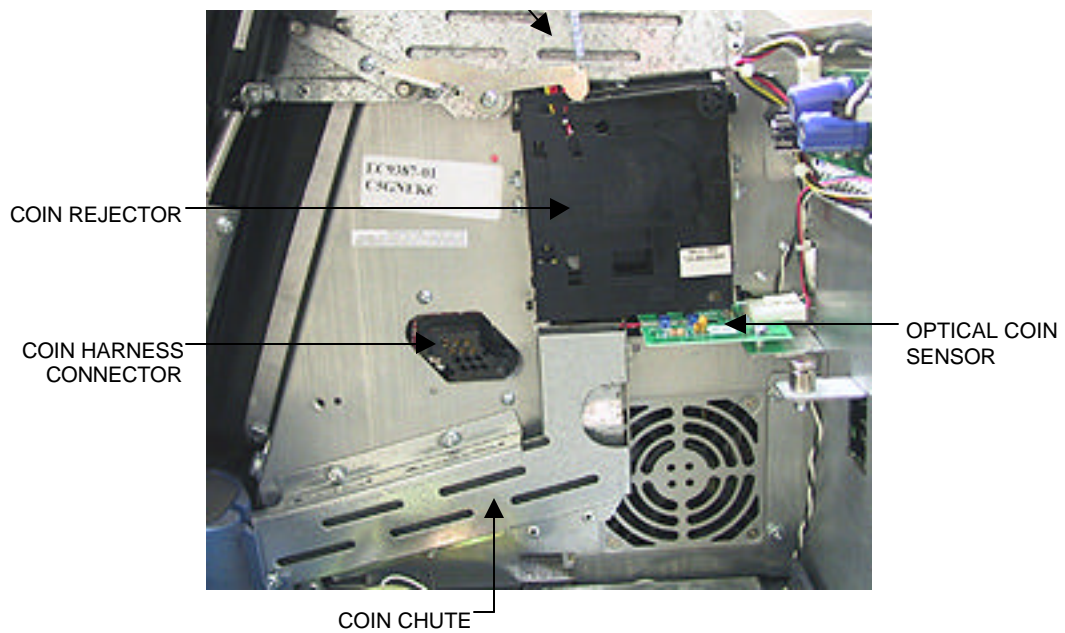


FIGURE 4 - MONITOR REMOVAL